Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/07/2022 09:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123998	-1	1.32	123907	1.30
Blue	F	SSC	125000	123040	-2	2.52	123512	2.36
Blue	E	FITC	13602	13225	-3	2.20	371	13.07
Blue	D	PE	24891	24277	-3	1.63	576	10.62
Blue	B	PerCP-Cy5-5	33972	33128	-3	2.91	942	14.78
Blue	A	PE-Cy7	22865	22795	-1	5.08	472	30.37
Red	C	APC	47198	46568	-2	2.59	1610	11.22
Red	A	APC-Cy7	26454	25699	-3	3.21	723	12.35
Violet	B	V450	6737	6504	-4	3.43	452	11.25
Violet	A	V500	29317	28129	-5	3.03	963	8.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24137	2.44	534	-1	N/A	N/A	Pass
Blue	F	SSC	55366	1.98	518	-3	N/A	N/A	Pass
Blue	E	FITC	55	57.02	486	2	0.0514	294	Pass
Blue	D	PE	112	37.53	488	2	0.3449	214	Pass
Blue	B	PerCP-Cy5-5	149	40.95	581	2	0.0202	70	Pass
Blue	A	PE-Cy7	78	80.87	625	4	0.0229	6	Pass
Red	C	APC	336	25.51	571	-1	0.0299	209	Pass
Red	A	APC-Cy7	135	34.42	549	-2	0.0063	1165	Pass
Violet	B	V450	77	46.21	450	0	0.0590	2319	Pass
Violet	A	V500	114	30.18	469	0	0.0255	743	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.96	-31.70	1.01
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.42
Red	15.56	13.90 - 20.86	N/A	N/A	29.94	30.37	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10032

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments